

ISOTOPE

Atoms of the same element that have different number of neutrons



- PROTON
- NEUTRON

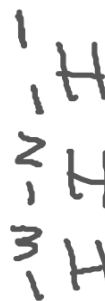
MASS OF ISOTOPE

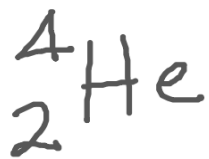
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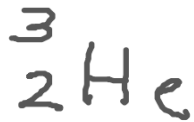
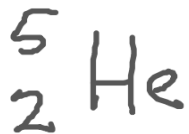
Atomic Number

Hydrogen
Deuterium
Tritium



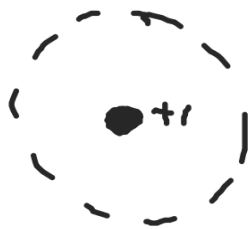


DRAW Nucleus of each



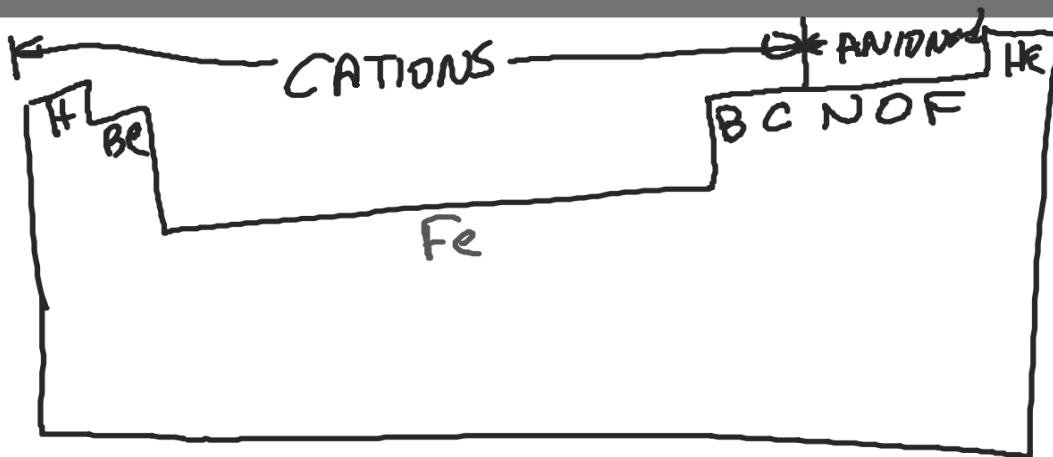
○ PROTONS
● NEUTRONS

ION - Atom with a positive
OR Negative charge



Neutral
Atom has
No Net
charge

⊕ Positive
ION
CATIONS



CA[⊕]IONS ARE [⊕]IONS
 ANIONS ARE [⊖]IONS
 A \rightarrow negative ion